

CLIMATOLOGICAL DATA FOR DECEMBER, 1911.

DISTRICT No. 1, NORTH ATLANTIC STATES.

WILFORD M. WILSON, District Editor.

GENERAL SUMMARY.

The one remarkable feature of December, 1911, was the long continued mild weather with slight storm development and nearly stationary temperature, making the month the warmest December for 20 years or more. The characteristics of a continental winter climate, which usually become quite prominent throughout the North Atlantic States in December, were almost wholly lacking. But, however remarkable the conditions may have seemed, they were by no means unprecedented, for the records of several stations within the district show instances of warm periods in December exceeding that of the current month both with respect to the highest observed temperatures and the duration of abnormally warm weather.

The month presented striking peculiarities in comparison with the preceding month and with December, 1910, having an average temperature nearly equal to that of the former and more than 11° higher than that of the latter. Fortunately, the warm weather was not attended by heavy rains and there were no floods, while the cold periods were too short to produce much ice. On the other hand, the mild weather proved greatly advantageous to farmers, builders, and other outdoor workers, who made full use of their unusual opportunities.

For several days the temperature averaged from 15° to 25° or more above normal in all parts of the district, the nights particularly being abnormally warm. For nearly a decade, beginning with the 6th, a succession of slight barometric depressions passing northeastward near the Lake region, while the pressure remained moderately high over the South Atlantic States and the middle Atlantic coast, caused a marked prevalence of southerly to easterly winds with sufficient sunshine to produce exceptionally mild weather. Though these conditions were interrupted for about two days near the 20th, they were not completely broken up until the 27th, when the first typical winter storm area reached the district.

The precipitation was nearly normal in most parts of the district and presented no very unusual features, except that it was largely in the form of rain. The snowfall was remarkably light, and in many instances did not equal that of the preceding month.

The following table exhibits the leading features of meteorological interest for the various divisions of the district:

States or parts of States within district No. 1.	Temperature.				Precipitation.				Average number of days—
	Average.	Departure.	Highest.	Lowest.	Average.	Departure.	Greatest total.	Least total.	
New England.....	32.9	+5.9	68	-13	3.13	-0.09	4.80	1.15	8 11
New York.....	33.3	+6.8	67	-5	3.00	-0.46	6.54	1.32	10 10
Pennsylvania.....	36.3	+5.9	66	7	2.99	-0.31	4.40	0.75	11 9
New Jersey.....	38.4	+5.4	70	2	3.77	-0.06	5.09	2.94	11 10
Maryland, Delaware, and District of Columbia.....	40.0	+5.6	76	15	3.68	+0.23	6.12	1.76	9 12
West Virginia.....	37.8	+5.8	70	12	3.08	+0.40	4.32	1.61	8 9
Virginia.....	40.3	+4.9	73	13	3.14	+0.22	4.38	2.39	9 11

TEMPERATURE.

The average temperature for the district was 37° , which is nearly 6° above the normal and less than 3° lower than the average for the preceding month. At all stations in the district there was a marked excess in temperature, ranging from 3° or 4° at Cape Cod and on the islands near southern Massachusetts to 8° or more in parts of central New York. The only dates on which the temperature was not generally above normal were the 2d-5th, the 19th-20th, and the 28th-31st. In most sections the average temperature was the highest for any December since 1891 or 1889. The remarkably high mean temperature was due chiefly to the unusual duration of mild weather and to the occurrence of exceptionally warm nights. The maximum temperatures were generally but little higher than those of some recent Decembers. The daily minimum temperatures were notably high throughout the principal warm periods, exceeding all previous records in many sections, while on the coldest days they remained 10° to 25° above the usual December minimum temperatures. Most of the district experienced no cold wave during the month, and only in the extreme northern parts of the New York and New England land sections did the coldest periods bring temperatures of zero or below.

The highest temperature recorded in the district was 76° at College Park, Md., on the 8th, and at Millsboro, Del., on the 11th; the lowest was -13° at Millinocket, Me., on the 5th. In Pennsylvania, New York, and the New England States the highest temperatures were below 70° , and in nearly all parts of the district they have been equaled several times in the history of the climatological service. The mean temperatures ranged from 47.6° at Eastville, Va., to 20.6° at Presque Isle, Me., showing an average difference of 27° between the warmest and coldest parts of the district.

Seasonable weather prevailed at the beginning of the month, but it gradually became colder until the 4th or 5th, when the lowest temperatures of the month occurred in most parts of the district. Then followed a general warming up, with mild days and cool nights, until about the 8th, after which the temperature remained abnormally high through several days and nights, the warmest weather prevailing on or near the 12th. By the 15th conditions were again about normal, but there was an interval of only about one day until the excess in temperature reappeared. About the 20th there was a second brief cold period, when at some stations the lowest temperature of the month was recorded. Mild weather then set in again, continuing for nearly a week, terminating on the 27th or 28th, as the first well-developed winter storm passed over the district. The most pronounced temperature change of the entire month followed this storm, and, though it did not generally answer the description of a cold wave, the fall in temperature was sufficient to cause much inconvenience, if not actual suffering, owing largely to neglect of preparation during the preceding mild weather. Cold weather continued during the remainder of the month, particularly on the 29th and 30th.

TABLE 1.—Climatological data for December, 1911. District No. 1, North Atlantic States.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Sky.	Prevailing wind direction.	Observers.						
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of overcast days.				
Maine.																						
Bar Harbor.....	Hancock.....	20	25	32.4	+ 5.6	64	12	7	5†	30	4.30	- 0.60	3.20	5.5	10	16	4	11	sw.	William Miller.		
Cornish.....	.....	778	56	32.2	+ 7.0	65	12	4	5†	39	3.34	- 0.25	1.96	6.5	10	11	8	12	w.	T. H. West.	
Eastport.....	Washington.....	53	39	30.6	+ 5.3	57	11	4	3†	31	2.80	- 1.17	1.69	10.1	10	1	8	22	w.	U. S. Weather Bureau.		
Fairfield.....	Somerset.....	90	26	28.4	+ 6.7	59	12	2	20	29	3.12	+ 0.45	1.75	10.2	8	14	5	12	.....	E. F. Parker.	
Farmington.....	Franklin.....	450	14	28.0	+ 10.5	61	12	- 3	5	32	3.07	- 0.98	1.77	10.0	9	10	6	15	nw.	State Normal School.		
Gardiner.....	Kennebec.....	163	19	31.4	+ 7.7	62	12	1	20	42	2.19	- 0.89	1.16	6.0	13	14	4	13	nw.	Samuel D. Soule.		
Greenville.....	Piscataquis.....	1,000	7	24.5	- 5.9	59	12	- 2	30	28	4.27	- 0.27	0.98	20.0	12	4	12	.....	U. S. Weather Bureau.		
Houlton.....	Aroostook.....	362	9	24.0	- 5.5	62	12	- 4	4†	33	1.85	- 0.80	2.10	0	7	15	4	12	w.	Bangor & Aroostook R. R.		
Lewiston.....	Androscoggin.....	185	37	30.8	+ 7.4	62	12	8	5	30	3.14	- 1.01	1.91	6.0	10	12	6	13	nw.	Union Water Power Co.		
Madison.....	Somerset.....	257	8	25.4	- 5.9	59	13	- 3	5	31	3.24	- 0.88	1.48	10.5	9	17	2	12	w.	William Jardine.		
Millinocket.....	Penobscot.....	386	8	26.1	- 5.5	65	12	- 13	5	37	4.29	- 0.17	1.21	17.2	11	12	0	19	nw.	H. S. Ferguson.		
North Bridgton.....	Cumberland.....	450	18	30.8	+ 7.1	65	12	4	5	32	2.97	- 0.17	1.55	8.5	9	13	9	ne.	G. E. Chadbourne.			
Orono.....	Penobscot.....	129	42	28.0	+ 6.7	58	11†	- 4	20	35	3.91	+ 0.32	2.68	8.0	8	9	9	13	.....	Agricultural Exp. Station.	
Patten.....	do.....	550	9	22.44	- 55†	62	12	- 10	5	32	3.10	- 0.00	21.0	0	12*	3	11	w.	Bangor & Aroostook R. R.			
Portland.....	Cumberland.....	99	40	33.0	+ 5.9	65	12	10	5	22	4.49	+ 0.81	2.69	6.1	9	10	7	14	nw.	U. S. Weather Bureau.		
Presque Isle.....	Aroostook.....	2	20.6*	55†	12	- 10†	19†	35	2.78	0.85	14.0	11	9	6	13	6	12	w.	S. L. Merriman.			
Rumford Falls.....	Oxford.....	505	18	28.6	+ 7.1	52	12	5	5	23	2.74	+ 0.12	1.30	9.1	11	13	6	12	nw.	Charles A. Mixer.		
Winslow.....	Kennebec.....	90	16	30.1	- 61	12	2	20	33	3.00	- 1.90	7.0	9	14	6	11	w.	Hollingsworth & Whitney Co.				
New Hampshire.																						
Alstead Center.....	Cheshire.....	1,120	7	30.4	+ 7.1	58	12	4	5	23	2.59	- 0.28	1.23	6.0	8	15	7	9	nw.	Frank Dewing.		
Benton.....	Grafton.....	27	27.9	55	51	55	11	- 1	5	26	2.96	- 0.26	4.0	4.0	11	11	3	17	.....	State Sanatorium.	
Bethlehem.....	do.....	1,470	19	27.4	+ 6.8	56	11†	- 4	5	28	2.87	+ 0.55	1.39	3.5	12	7	5	19	w.	Benjamin Tucker.		
Concord.....	Merrimack.....	350	51	33.1	+ 6.7	65	12	10	5	34	3.14	- 0.21	1.57	5.8	8	8	8	15	nw.	U. S. Weather Bureau.		
Durham.....	Stafford.....	88	16	33.4	+ 5.1	65	11	5	5	39	3.61	+ 0.74	2.10	5	16	6	10	10	nw.	Agricultural Exp. Station.		
Franklin.....	Merrimack.....	410	12	32.8	- 62	12	9	5	36	1.96	- 0.00	5.0	8	10	10	11	11	w.	Dr. C. P. Webster.			
Grafton.....	Grafton.....	963	25	30.0	+ 8.2	59	12	5	5	41	2.15	- 0.16	1.25	5.0	8	13	1	17	nw.	P. R. Kimball.		
Hanover.....	do.....	603	77	30.1	+ 8.7	59	12	2	5	36	1.92	- 0.44	0.67	3.2	9	6	7	18	w.	Dartmouth College.		
Keene.....	Cheshire.....	506	26	31.4	+ 5.8	63	11	7	5	38	2.54	- 0.20	1.13	5.0	7	9	9	13	nw.	Samuel Wadsworth.		
Nashua.....	Hillsboro.....	125	26	33.8	+ 6.1	64	12	11	5	36	3.26	- 0.11	1.42	5.0	8	11	6	15	.....	Jackson Co.	
Newton.....	Rockingham.....	23	33.6	5.9	65	11	9	5	35	3.73	+ 0.88	1.80	4.0	8	11	13	7	nw.	W. C. Gale.			
Plymouth.....	Grafton.....	500	23	29.5	+ 7.3	48	12†	7	5	23	2.88	- 0.29	1.74	4.2	7	10	5	16	w.	Hattie G. Trow.		
Vermont.																						
Bloomfield.....	Essex.....	4	20.2	.....	53	11†	- 8	5	30	3.18	.....	1.43	6.8	15	8	3	20	s.	Lyman Falls Power Co.	
Cavendish.....	Windsor.....	910	8	33.0	- 57	11	11	4	36	2.60	.....	1.24	4.5	6	11	8	12	w.	Marietta A. Kingsbury.		
Chelsea.....	Orange.....	840	16	27.7	+ 6.5	54	11	0	20	33	2.56	+ 0.51	0.85	6.0	10	10	1	20	s.	W. F. Dewey.		
Manchester.....	Bennington.....	980	12	32.0	- 64	11	4	5	27	1.15	.....	0.71	1.8	4	4	11	16	sw.	N. M. Canfield.		
St. Johnsbury.....	Caledonia.....	711	18	28.0	+ 7.3	56	12	- 2	5	24	3.05	+ 0.80	1.37	5.8	12	8	8	15	nw.	Fairbanks Museum.		
Woodstock.....	Windsor.....	700	19	27.3	+ 5.8	59	12	0	5†	40	2.68	+ 0.15	1.22	6.5	8	6	3	22	.....	John S. Eaton.	
Massachusetts.																						
Amherst.....	Hampshire.....	222	22	33.6	+ 6.3	62	12	10	5	32	4.42	+ 0.91	0.98	4.5	9	7	5	19	nw.	Agricultural Exp. Station.		
Blue Hill.....	Norfolk.....	640	27	35.6	+ 5.8	65	12	11	5	21	3.24	- 0.21	1.87	5.5	8	10	7	14	.....	Blue Hill Observatory.	
Boston.....	Suffolk.....	124	41	39.4	+ 7.8	68	12	15	5	24	3.07	- 0.34	1.49	3.7	8	10	6	15	w.	U. S. Weather Bureau.		
Chestnut Hill.....	do.....	124	31	36.7	+ 6.3	67	12	14	5	31	3.65	+ 0.45	1.80	3.5	8	23	1	7	.....	Met. Water Board.	
Clinton.....	Worcester.....	370	15	35.3	- 62	11†	13	4	28	3.39	.....	1.27	5.2	8	19	0	12	.....	Do.	
Concord.....	Middlesex.....	139	21	34.6	+ 6.5	66	11†	11	20	37	3.33	+ 0.45	1.61	4.3	8	9	11	11	nw.	Fred A. Tower.		
Fall River.....	Bristol.....	200	45	37.8	+ 3.6	63	12	14	5	27	3.11	+ 0.28	1.38	4.0	9	10	15	6	nw.	C. V. S. Remington.		
Fitchburg.....	Worcester.....	550	28	35.3	+ 6.8	65	11	12	5	31	3.01	- 0.54	0.60	6.0	8	18	4	9	w.	Dr. A. Mason.		
Framingham.....	Middlesex.....	160	31	36.2	+ 5.9	65	12	14	5	30	3.63	.....	0.00	1.73	5.2	8	11	7	nw.	Met. Water Board.	
Hyannis.....	Barnstable.....	31	20	37.8	+ 0.7	60	12	22	30	3.28	.....	- 0.23	0.86	5.0	8	15	11	5	nw.	C. F. Sleeper.	
Lawrence.....	Essex.....	51	27	34.2	+ 5.6	64	11†	11	5	33	3.60	- 0.38	1.81	3.5	8	12	14	5	w.	Essex Co.		
Lowell.....	Middlesex.....	100	26	35.3	+ 6.5	64	11	11	5	33	3.53	- 0.02	1.63	3.5	7	10	6	15	ne.	Props. locks and canals.		
Middleboro.....	Plymouth.....	53	25	36.0	+ 5.0	66	12	13	5	35	3.35	+ 0.14	1.30	3.5	7	10	6	15	ne.	A. R. Gurney.		
Monson.....	Plymouth.....	53	23	36.6	- 68	12	13	5	35	3.33	.....	- 0.02	1.63	3.5	7	10	6	15	ne.	Dr. G. E. Fuller.	
Nantucket.....	Hampshire.....	15	25	40.0	+ 3.8	60	12	24	29†	19	3.76	+ 0.12	1.17	4.4	10	10	4	17	w.	U. S. Weather Bureau.		
New Bedford.....	Bristol.....	88	99	38.7	+ 6.7	63	12	14	5	24	3.78	- 0.26	0.20	5.2	8	14	2	15	nw.	City engineer.		
Norfolk.....	do.....	244	8	35.3	- 68	12	8	5†	34	2.71	.....	- 1.34	5.0	5	5	1	2	18	w.	Ruby H. Martyn.	
Northampton.....	Hampshire.....	205	3	35.4	- 65	13	11	5	30	2.48	- 1.36	3	3	3	1	1	1	1	1	nw.	D. E. Hoxie.
Plymouth.....	Plymouth.....	26	36.6	- 67	13	15	5	28	2.35	.....	- 1.02	4.0	7	15	5	11	11	11	sw.	Laura B. Knapp.	
Provincetown.....	Barnstable.....	40	24	38.0	+ 2.9	60	8	22	6	23	2.06	- 1.66	0.57	2.0	6	19	0	12	sw.	Gideon Bowley.		
Rockport.....	Essex.....	25	9	37.0	- 58	11†	20	30†	20	4.17	- 1.75	0.2	7	10	8	13	11	7	nw.	C. F. P. Bearse.	
Rutland.....	Worcester.....	1,160	9	32.6	- 62	12	8	4†	28	3.14	.....	- 1.26	5.5	8	13	11	7	nw.	State Sanatorium.		
South Egremont.....	Berkshire.....	764	9	29.2	- 59	12	8	5	32	3.13	.....	- 1.06	1.30	9.0	13	5	10	10	w.	Roscoe C. Taft.	
Turners Falls.....	Franklin.....	200	26																			

TABLE 1.—*Climatological data for December, 1911. District No. 1—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.		Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.		Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.			
					Highest.	Date.							Total.	Number of partly cloudy days.	Number of cloudy days.					
<i>New York.</i>																				
Addison.	Steuben.	1,000	21	36.2	+ 7.7	64	10†	9	4	44	1.83	- 0.32	0.55	5.6	11	9	2	sw.	Dr. H. R. Ainsworth.	
Albany.	Albany.	97	90	34.6	+ 7.1	60	12	13	5	23	2.38	- 0.19	0.75	3.4	13	6	14	s.	U. S. Weather Bureau.	
Alfred.	Allegany.	1,076	16									2.27	- 0.44	1.04	6.2	9			Prof. F. S. Place.	
Amsterdam.	Montgomery.	277	7	30.5		55	12	10	4†	28	2.30							w.	Emory Elwood.	
Athens.	Greene.	90	9	34.8		60	11†	12	5	23	2.02							nw.	E. C. Brooks.	
Ballston Lake.	Saratoga.	400	7	32.4		57	11	9	5	28	2.68							w.	George R. Schaeuber.	
Bedford.	Westchester.	450	20	35.2	+ 4.8	63	12	13	5	30	2.67	- 1.00	0.54	7.0	7	20	5	sw.	Dr. L. Rosenberg.	
Beerston.	Delaware.					64	10												John Q. Barlow.	
Binghamton.	Broome.	875	20	34.9	+ 7.2	63	10	11	4	35	3.66	- 0.08	0.73	4.3	7	8	3	e.	U. S. Weather Bureau.	
Bouckville.	Madison.	1,350	14	30.2	+ 7.7	56	10	1	4	23	3.67	- 0.04	0.67	12.5	15	4	5	sw.	L. W. Griswold.	
Boysds Corners.	Putnam.	560																	Thomas Manning.	
Carmel.	do.	500	19	33.3	+ 4.6	62	12	11	5	28	3.29	- 0.98	1.01	7.0	8	9	14	nw.	Do.	
Chatham.	Columbia.	470	10	34.0	+ 9.2	63	11	10	5	27	2.70	+ 0.05	0.76	4.7	10	7	10	s.	Morton R. Tank.	
Cooperstown.	Otsego.	1,250	57	31.5	+ 6.9	60	11	3	30	22	2.92	+ 0.05	1.00	11.3	12	18	6	7	Miss Elizabeth C. Keese.	
Cortinich.	Saratoga.	542	9																A. M. Hollister.	
Cortland.	Cortland.	1,129	49	34.0	+ 7.8	62	13	9	4	31	2.85	- 0.26	0.79	2.5	15	6	1	24	F. G. Baker.	
Cutchogue.	Suffolk.	32	12	37.8	+ 4.5	62	11	18	5	24	4.59	- 0.76	1.11	3.0	8	12	10	nw.	William A. Fleet.	
De Ruyter.	Madison.	1,300	8	31.8		60	10†	1	30	32	2.39							s.	R. D. Crandall.	
Easton.	Washington.																	H. Taber.		
Glens Falls.	Warren.	340	20	31.6	+ 7.9	58	11	7	5	29	3.17	- 0.23	1.34	5.3	10	8	5	sw.	Prof. C. L. Williams.	
Gloversville.	Fulton.	850	19	29.8	+ 6.9	49	11	8	30	28	3.00	- 0.83	1.07	6.0	9	6	8	w.	W. L. McLean.	
Greenfield Center.	Saratoga.	314	13	31.2	+ 8.0	55	11	5	5	28	2.68	- 0.31	0.63					nw.	S. E. Darrow.	
Greenwich.	Washington.	425	14	32.7	+ 8.9	61	11	9	5	27	2.82	- 0.15	1.15	2.5	8	11	9	s.	Homer J. Whitcomb.	
Griffin Corners.	Delaware.	2,260	11			6*	20											w.	Harold O. Judd.	
Haskinville.	Steuben.																		W. G. Collins.	
Homer.	Cortland.	20	33.6	+ 6.9	60	10	8	4	32	3.24								nw.	Charles C. Mortimer.	
Hoosick Falls.	Rensselaer.	410	9																Sanford L. Cluett.	
Indian Lake.	Hamilton.	1,705	12	27.1	+ 7.7	55	10	- 5	20†	35	3.95	+ 0.48	1.40	17.0	9	11	7	13	Lester Severe.	
Jeffersonville.	Sullivan.	1,240	8	32.3		65	11	10	6	42	3.24							w.	Chas. Willert, Jr.	
Liberty.	do.	2,300	29	31.0	+ 7.1	60	11	10	5†	30	3.25	+ 0.03	1.20	3.0	7	10	1	20	Dr. H. M. King.	
Little Falls.	Herkimer.	924	13	31.1	+ 8.8	58	12	5	4†	29	3.22	- 0.09	0.84	8.0	14	10	7	14	O. J. Demster.	
Mohonk Lake.	Ulster.	1,245	15	34.1	+ 7.9	58	12	10	5	23	3.38	- 0.27	1.10	4.0	6	10	10	11	A. K. Smiley.	
Morehouseville.	Hamilton.	1,697	3	26.4		49	11	- 3	20†	31	4.89								Theo. C. Remonda.	
Morrisville.	Madison.	1,325	0	31.0		58	11	- 3	30	25	3.70								Prof. I. M. Charlton.	
Mount Hope.	Westchester.	200	14	36.7	+ 6.1	67	13	15	5	34	5.60	+ 1.74	1.20	8.0	9	12	3	16	W. A. Cornelius.	
Newark Valley.	Tioga.	825	24																M. D. Clinton.	
New Berlin.	Chenango.																		Roger Greene.	
New Lisbon.	Otsego.	1,234	21	30.8	+ 7.2	64	10	0	30	36	2.62	- 0.45	0.55	5.0	12	8	2	21	G. A. Yates.	
New York City.	New York.	314	86	39.2	+ 4.8	60	12	18	5	21	3.39	- 0.06	0.90	7.0	11	9	8	14	U. S. Weather Bureau.	
North Creek.	Warren.	1,002	3	31.0		60	11	7	4	38	3.81								W. G. Kenwell.	
Northville.	Fulton.	742	9															P. C. Picard.		
Oneonta.	Otsego.	1,112	17	34.2	+ 7.0	61	11	11	4†	30	2.35	- 0.80	0.62	4.8	10	7	2	22	H. W. Lee.	
Oxford.	Chenango.	916	48	32.8	+ 7.2	56	11†	8	4	29	2.91	- 0.16	0.77	4.7	11	2	14	15	J. P. Davis.	
Oyster Bay.	Nassau.	40	7	40.2		65	13	18	5	25	3.42								Prof. Thomas Colby.	
Rome.	Orange.	470	27	33.6	+ 5.2	62	12	12	8	5	30	3.10	- 0.42	0.57	7.0	13	5	7	11	Wilbur F. Crane.
Salisbury.	Oneida.	445	15	31.4	+ 7.2	58	12	3	4†	30	4.71	+ 0.72	1.80						John O'Mara.	
Scarsdale.	Herkimer.	1,526	14	26.4	+ 5.9	54	7†	- 1	4	42	5.74	+ 1.41	1.48	8.5	13	12	7	12	Joseph Ryan.	
Seatauket.	Westchester.	200	7	37.7		63	13	10	5	29	6.54								C. H. Wilmarth.	
Sherburne.	Suffolk.	40	26	38.8	+ 4.3	62	12	21	5	21	3.35	- 0.62	0.66	5.0	8	13	9	9	Selah B. Strong.	
Southampton.	Chenango.	36	10	38.4	+ 6.0	58	11	18	5	23	2.88	- 0.17	0.43	5.1	9	5	13	n.	E. B. Collins.	
Southeast Reservoir.	Suffolk.	36	10																W. L. Jagger.	
South Edmeston.	Putnam.	310	6																Thomas Manning.	
Spier Falls.	Otsego.	1,300	0	32.0		60	10	- 2	30	33	2.67								F. H. Bilderbeck.	
Trenton Falls.	Saratoga.	400	10	32.3		57	11	4	5	30	3.42								George E. Fifeid.	
Tribeshill.	Oneida.	751	8															C. W. Young.		
Utica.	Montgomery.	268	8															R. S. Marshall.		
Wading River.	Oneida.	537	45															W. E. Young.		
Wappingers Falls.	Suffolk.	112	5	39.2		67	12	16	30	32	4.07								nw.	
Warwick.	Dutchess.	110	21	33.1	+ 5.0	60	12	7	5	26	1.78	- 2.07	0.40	9.0	7	9	18	e.	H. B. Fullerton.	
Waverly.	Orange.	538	17															se.	H. C. Townsend.	
Tioga.	Hamilton.	824	29	34.8	+ 6.8	64	10	10	30	41	1.95	- 0.58	0.39	4.6	13	5	14	se.	John W. Sly.	
Wells.	Hamilton.	1,000	5	28.7†		45	8	3	30	34	4.16							se.	J. F. Shoemaker.	
West Berne.	Albany.	946	12	31.8	+ 7.9	65	11	5	20†	40	1.32	- 1.67	0.40	8.0	6	6	5	20	Vernon E. Dewey.	
West Point.	Orange.	167	62			15	20	33	2.30	- 1.00	0.55							nw.	W. J. Haverly.	
Windham.	Greene.	1,520	11	33.2	+ 8.2	62	11†	6	20	33								e.	U. S. Military Academy.	
<i>Pennsylvania.</i>																			A. R. Mott.	
Altoona.	Blair.	1,181	23	40.0	+ 11.0	64	13	16	4	25	1.66	- 1.23	0.43	1.6	9				C. W. Billin.	
Bethlehem.	Northampton.	260	10	37.4*	+ 5.0	66	11	16	20	34	2.81	- 0.67	0.54	1.5	6	13	2	12	Prof. E. C. Roest.	
Drifton.	Luzerne.	1,633	34.1	+ 5.7	60	12	12	8	4	30	3.44	+ 1.36	1.30	8.0	14	14	6	11	Eckley B. Cox, Jr.	
Emporium.	Cameron.	1,050	24	33.8	+ 3.9	63	11	8	4	30	3.34	- 0.16	0.70	8.1	14	7	5	19	T. B. Lloyd.	
Ephrata.	Lancaster.	384	11	36.8	+ 6.5	65	12	15	20	34	3.18	- 0.39	0.80	2.5	11	13	3	15	W. L. Frantz.	
Everett.	Bedford.	1,080	13	35.8	+ 6.4	65	10													

TABLE 1.—Climatological data for December, 1911. District No. 1—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Sky.	Prevailing wind direction.	Observers.							
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmarked.															
Pennsylvania—Contd.																													
Wellsboro.....	Tioga.....	1,327	34	34.4	+ 5.5	62	11	10	4	40	1.90	- 1.52	0.35	9.0	10	9	9	13	w.	sw.	O. L. White.								
West Chester.....	Chester.....	455	57	38.3	+ 5.0	64	11	20	20	31	3.75	- 0.22	0.89	1.7	12	9	3	17	nw.	nw.	J. C. Green, D. D. S.								
Williamsport.....	Lycoming.....	530	21	37.0	+ 6.7	59	12†	18	20	25	2.53	- 0.44	0.63	5.5	9	3	19	se.	se.	Henry H. Guise.									
New Jersey.																													
Asbury Park.....	Monmouth.....	22	23	40.7	+ 6.2	60	12	17	5	31	4.20	+ 0.56	1.03	4.0	10	9	9	13	w.	nw.	H. E. Denegar.								
Atlantic City.....	Atlantic.....	16	38	41.6	+ 5.2	62	13	21	5	26	3.61	- 0.13	1.17	0.9	10	9	4	17	nw.	w.	U. S. Weather Bureau.								
Bayonne.....	Hudson.....	50	21	38.2	+ 4.8	62	12	16	5	28	3.91	+ 0.39	0.83	8.5	11	10	8	13	.....	.....	Erskine R. Eadie.						
Belvidere.....	Warren.....	289	20	36.2	+ 5.4	64	12	12	5	32	3.32	- 0.82	0.56	6.3	11	5	5	15	.....	.....	Samuel J. Hixson.						
Bergen Point.....	Hudson.....	37	14	37.0	+ 4.0	61	12	14	5	31	4.17	+ 0.18	0.78	8.0	11	6	13	12	nw.	.....	Dr. Wm. H. Mitchell.							
Boonton.....	Morris.....	413	21	40.8	+ 5.2	69	11	20	20	37	4.52	+ 0.65	1.35	T.	8	10	5	16	w.	.....	Foster Peer.							
Bridgeton.....	Cumberland.....	30	30	40.8	+ 5.2	69	11	20	20	37	3.52	- 0.39	1.05	1.9	10	10	7	14	nw.	nw.	Henry A. Jorden.								
Burlington.....	Burlington.....	12	27	39.0	+ 4.4	60	11	20	20	37	3.39	+ 0.48	1.27	T.	10	10	9	13	sw.	.....	D. S. B. McCoy.							
Canton.....	Salem.....	24	17	37.7	+ 4.3	60	13	23	24	34	3.89	+ 0.11	1.13	T.	12	9	9	13	.....	.....	John H. Maskell.						
Cape May City.....	Cape May.....	17	27	42.3	+ 4.3	60	13	23	20	34	4.23	+ 0.61	1.38	1.0	10	12	5	14	.....	.....	U. S. Weather Bureau.						
Charlottesville.....	Passaic.....	719	19	36.2	+ 5.6	63	12	14	20	40*	3.38	- 1.01	0.57	9.0	11	10	8	13	sw.	.....	George S. Briggs.							
Chatham.....	Morris.....	234	9	39.4	+ 6.2	68	11	20	20	34	4.30	+ 0.61	0.93	6.5	16	10	7	14	.....	.....	M. A. Butler.						
Clayton.....	Gloucester.....	126	18	40.2	+ 6.2	68	11	20	20	34	4.66	+ 0.92	0.93	8.0	12	10	7	14	.....	.....	William T. Farley.						
College Farm.....	Middlesex.....	100	16	37.6	+ 5.0	63	10	12	5	36	2.94	- 0.59	0.58	7.6	12	10	7	14	.....	.....	George B. Thrasher.						
Culvers Lake.....	Sussex.....	848	10	39.0	+ 5.9	66	11	18	20	36	3.58	- 0.07	1.12	1.3	10	11	5	15	.....	.....	Brice E. Riker.						
Dover.....	Morris.....	600	27	34.6*	+ 4.5	61	12	16	20	34	4.15	+ 0.03	0.75	10.0	11	9	9	13	.....	.....	William C. Harris.						
Elizabeth.....	Union.....	33	32	37.6	+ 4.1	60	12	10	5	27	3.84	+ 0.05	0.80	10.5	11	9	9	13	.....	.....	William M. Oliver.						
Flemington.....	Hunterdon.....	187	23	38.5	+ 6.5	63	10†	17	5	37	3.69	+ 0.01	0.70	7.0	10	12	6	13	.....	.....	Hiram E. Deats.						
Haddonfield.....	Camden.....	75	24	39.2	+ 5.9	66	11	18	20	36	3.58	- 0.07	1.12	1.3	10	11	5	15	.....	.....	Charles F. Richardson.						
Hammonston.....	Atlantic.....	103	13	38.8	+ 5.2	65	10†	14	5	35	3.73	+ 0.02	0.92	5.0	8	12	5	14	.....	.....	Orville Bassett.						
Hightstown.....	Mercer.....	119	19	38.8	+ 5.2	65	10†	14	5	35	3.73	+ 0.02	0.92	5.0	11	10	11	10	.....	.....	Ernst Wenger.						
Highwood.....	Bergen.....	90	22	36.4	+ 5.6	61	12	2	5	40	4.38	- 0.39	1.25	13.0	11	10	11	10	.....	.....	Charles J. Bates.						
Indian Mills.....	Burlington.....	76	22	39.6	+ 5.6	60	11	18	20	42	3.70	- 0.39	1.13	10.5	11	10	5	16	.....	.....	James Armstrong.						
Jersey City.....	Hudson.....	15	13	38.8	+ 4.8	61	12	17	5	24	3.97	+ 0.41	1.07	5.0	10	8	10	13	.....	.....	Samuel K. Pearson, jr.						
Lakewood.....	Ocean.....	54	9	39.2	+ 5.3	68	11	16	5	34	3.74	- 0.32	0.80	6.0	11	12	5	14	.....	.....	Ralph Robertson.						
Lambertville.....	Hunterdon.....	95	25	38.2	+ 4.9	60	10	17	5	35	3.46	- 0.32	0.65	2.5	10	9	7	15	.....	.....	William R. Bowne.						
Layton.....	Sussex.....	550	12	34.0	+ 6.6	60	10	20	34	3.58	- 0.79	0.60	8.0	11	10	5	16	.....	.....	Warren C. Hursh.							
Little Falls.....	Passaic.....	175	8	39.0	+ 5.2	65	10†	14	5	35	3.73	+ 0.02	0.92	9.0	11	8	9	13	.....	.....	A. Sweetman.						
Mahwah.....	Bergen.....	312	9	39.0	+ 6.2	66	10	19	20	39	3.29	- 0.29	1.08	2.0	10	11	4	16	.....	.....	Charles L. Barker.						
Moorestown.....	Burlington.....	71	49	39.5	+ 6.2	66	10	19	20	39	3.29	- 0.29	1.08	8.0	11	7	10	14	.....	.....	John C. Beans.						
Newark.....	Essex.....	140	68	38.6	+ 5.6	63	12	15	5	36	5.09	+ 1.29	1.03	1.0	12	10	5	16	.....	.....	Prof. William Wiener.						
New Brunswick.....	Middlesex.....	61	58	38.4	+ 5.3	62	10	14	5	38	4.66	+ 0.9	0.93	12.5	10	9	11	11	.....	.....	William T. Woerner.						
Newton.....	Sussex.....	678	32	36.1	+ 6.8	61	12	20	24	43	3.93	- 0.27	0.60	8.2	10	7	10	14	.....	.....	F. Vernon Losee.						
Northfield.....	Atlantic.....	4	26	36.1	+ 3.0	63	12	12	5	27	3.57	- 0.54	1.18	1.0	9	8	14	9	sw.	.....	William L. Flick.							
Paterson.....	Passaic.....	80	40	36.1	+ 3.0	63	12	12	5	27	3.57	- 0.54	0.76	8.2	11	8	14	9	.....	Heber A. Probert.								
Phillipsburg.....	Warren.....	363	14	36.4	+ 5.1	65	12	18	20	33	3.25	- 0.43	0.66	5.6	12	6	13	13	.....	.....	D. W. Smith.						
Plainfield.....	Union.....	100	25	37.4	+ 5.5	62	12	13	5	35	3.99	+ 0.10	0.86	7.6	11	6	14	11	.....	.....	John Neagle.						
Pleasantville.....	Atlantic.....	26	13	37.4	+ 5.5	62	12	13	5	35	3.83	- 0.05	1.07	0.7	10	10	6	15	.....	.....	Lincoln Van Gilder.						
Pompton Plains.....	Morris.....	195	9	39.8	+ 6.2	66	10	19	20	39	3.29	- 0.29	0.84	9.0	12	8	14	14	.....	.....	M. S. Taylor.						
Somerville.....	Somerset.....	76	28	36.8	+ 4.9	60	12	14	5	32	3.99	+ 0.42	0.75	8.0	12	11	6	14	.....	.....	Peter Hardcastle.						
South Orange.....	Essex.....	200	41	37.4	+ 5.4	60	12	11	5	27	4.23	+ 0.40	1.00	9.0	12	11	8	12	.....	.....	Dr. Wm. J. Chandler.						
Sussex.....	Sussex.....	442	21	35.8	+ 6.0	63	10†	14	5	37	3.30	- 0.44	0.62	8.0	14	8	17	17	.....	.....	George Dymock.						
Trenton.....	Mercer.....	104	40	41.0	+ 4.8	65	11	19b	29	37b	3.40	- 0.15	0.65	1.5	10	9	7	15	.....	.....	Paul H. Wendel.						
Tuckerton.....	Ocean.....	23	18	40.2	+ 5.7	64b	10	14	5	39	3.58	- 0.70	1.15	1.2	9	9	5	17	.....	.....	Frank R. Austin.						
Vineland.....	Cumberland.....	118	42	40.3	+ 5.9	67	11	19	20	37	3.36	- 0.48	1.17	0.2	10	12	8	11	w.	.....	Alfred Chalmers.							
Woodbine.....	Cape May.....	43	20	41.8	+ 6.8	70	11	18	5†	34	3.74	- 0.16	1.22	T.	10	7	9	15	nw.	.....	W. S. Tarbox.							
West Virginia.																													
Bayard.....	Grant.....	2,500	10	35.5	+ 6.7	63	12	12	20	39	4.32	+ 0.07	0.85	5.5	14	8	5	18	w.	Solomon Clark.							
Burlington.....	Mineral.....	875	17	38.2	+ 6.1	70	12	16	20	41	3.10	+ 0.44	T.	7	6	13	12	w.	.....	.....	J. W. Vandiver.						
Franklin.....	Pendleton.....	5	25	37.8	+ 5.6	67	11	16	20	31	2.63	- 0.11	0.65	T.	8	11	9	11	w.	.....	A. A. Martin.							
Lost City.....	Hardy.....	5	25	38.2	+ 5.6	67	12	19	19	35	3.95	+ 1.42	0.92	T.	7	14	6	11	nw.	.....	B. D. Hinegardner.							
Martinsburg.....	Berkeley.....	435	19	38.2	+ 5.6	67	12	19	19	35	3.95	+ 1.42	0.92	T.	9	6	15	10	nw.	.....	G. W. Van Metre, C. E.							
Moorefield.....	Hardy.....	900	15	38.4	+ 5.5	70	10†	13	20	41	2.51	+ 0.31	0.57	T.	9	15	4	13	.....	.....	John C. Fisher.						
Romney.....	Hampshire.....	824	14	37.5	+ 5.6	67	12	16	20	39	3.43	+ 1.05	0.78	T.	8	14	7	10	w.	.....	John C. Linthicum.							
Upper Tract.....																													

TABLE 1.—*Climatological data for December, 1911. District No. 1—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>Maryland—Continued.</i>																				
Salisbury.....	Wicomico.....	23	6	43.2	.....	71	11	20	20	41	6.12	.....	1.65	T.	12	14	12	5	nw.	W. E. Downing.
Solomons.....	Calvert.....	20	20	42.2	+ 4.0	64	27	28	5†	26	2.77	- 0.05	0.75	T.	10	5	8	18	nw.	Dr. W. H. Marsh.
State Sanatorium.....	Frederick.....	1,400	3	37.4	.....	64	11	18	29	21	3.41	- 0.66	0.82	3.4	12	13	4	14	nw.	Joseph V. Shimek.
Sudlersville.....	Queen Anne's.....	65	12	40.8	+ 5.3	66	11	22	20†	34	3.97	- 0.25	1.10	T.	9	11	7	13	w.	Jas. E. Hignan.
Takoma Park.....	Montgomery.....	320	13	39.8	+ 6.6	66	12	21	29	35	3.85	+ 0.89	0.85	.....	10	4	12	15	.....	L. M. Mooers.
Tanytown.....	Carroll.....	450	12	38.2	+ 5.2	63	11	20	21	28	4.33	+ 1.37	0.82	.....	10	11	12	8	s.	James B. Galt.
Towson.....	Baltimore.....	465	3	39.6	.....	63	11	19	20	32	3.94	.....	1.01	0.5	9	11	5	15	se.	C. W. E. Treadwell.
Van Bibber.....	Harford.....	100	14	38.3	+ 4.7	50*	11†	21*	29	32	4.23	+ 0.15	1.27	T.	9	9	10*	11*	.....	W. Benj. Ford.
Westernport.....	Allegany.....	1,000	17	39.0	+ 7.4	67	10	18	20	36	2.88	+ 0.59	0.84	0.7	12	12	12	12	.....	Prof. O. H. Bruce.
Westminster.....	Carroll.....	860	18	39.6	+ 8.2	66	11†	20	29	32	3.57	- 0.84	0.80	0.5	10	15	6	10	w.	Prof. G. F. Morelock.
Woodstock.....	Baltimore.....	332	37	41.0	+ 7.2	64	11†	20	20	30	3.94	+ 0.92	1.00	T.	10	10	6	15	nw.	Rev. J. F. Dawson, S.J.
<i>Delaware.</i>																				
Delaware City.....	New Castle.....	20	9	39.5	.....	60	7†	23	29	32	3.24	.....	0.90	T.	7	17	2	12	nw.	H. Morton Price.
Dover.....	Kent.....	40	23	41.5	+ 5.2	70	11	21	21	36	3.79	+ 0.47	1.50	T.	6	12	5	14	w.	Thos. F. Dunn.
Milford.....	do.....	20	27	42.4	+ 4.8	69	11	23	5†	31	4.14	+ 0.50	1.07	T.	11	12	13	6	nw.	Chas. J. Holzmuller.
Millsboro.....	Sussex.....	20	19	42.0	+ 5.2	76	11	17	20	40	3.75	- 0.27	1.01	T.	9	13	9	9	sw.	Rev. L. W. Wells.
Seaford.....	do.....	40	18	42.0	+ 5.4	69	11	21	20	34	3.32	- 0.07	0.95	0.5	9	13	7	11	sw.	E. B. Brown.
<i>District of Columbia.</i>																				
Washington.....	D. C.	112	41	41.0	+ 4.9	67	11	22	20	34	3.34	+ 0.18	0.89	T.	11	9	3	19	s.	U. S. Weather Bureau.
<i>Virginia.</i>																				
Culpeper.....	Culpeper.....	450	3	39.2	.....	63	11	16	29	33	3.35	.....	1.12	0	9	11	9	11	s.	Col. H. C. Burrows.
Safe Enterprise.....	Rockingham.....	1,350	32	38.2	+ 3.3	64	7†	13	20	42	2.95	+ 0.27	.85	T.	9	9	10	11	sw.	Rev. L. J. Heatwole.
Eastville.....	Northampton.....	15	1	47.6	+ 6.0	73	11	25	29	36	4.38	+ 0.95	1.20	0	9	12	8	10	sw.	T. B. Robertson.
Fredericksburg.....	Spottsylvania.....	100	22	42.2	+ 5.8	70	11	18	29	39	3.28	- 0.16	1.03	0	10	13	7	11	nw.	S. G. Howison.
Lincoln.....	Loudoun.....	500	10	39.2	+ 7.4	68	11	18	20	39	2.95	- 0.40	.60	0	9	13	5	10	nw.	Dr. Geo. Roberts.
Mount Weather.....	do.....	1,726	7	37.4	+ 5.9	60	12	19	29	30	2.56	- 0.53	.61	2.3	12	6	7	18	nw.	U. S. Weather Bureau.
Onancock.....	Accomac.....	1	.....	.....	.....	.....	.....	.....	.....	3.35	.....	1.44	0	8	8	.....	.....	.....	.....	S. F. Rogers.
Quantico.....	Prince William.....	16	14	39.1	+ 4.8	62	11	16	29	36	.....	.....	.....	6	16	3	12	ne.	Rich., Fdksbg. & Pot. R. R.	
Staunton.....	Augusta.....	1,350	19	41.0	+ 4.0	65	7†	19	29	38	3.05	+ 0.57	.75	T.	10	9	6	16	sw.	Ernest Notmagle.
Woodstock.....	Shenandoah.....	927	15	39.2	+ 5.3	68	12	17	20	41	2.39	+ 0.05	.47	0.1	12	10	6	15	w.	Mrs. A. G. Artz.

*, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for December, 1911. District No. 1, North Atlantic States.*

Stations.	River basins.	Day of month.																													Total.				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
<i>Maine.</i>																																			
Ashland.....	St. John.....	.56																																3.27	
Bar Harbor.....	Coast.....	.15	T.																														.05	4.30	
Cornish.....	Saco.....	.02																															.10	3.34	
Danforth.....	Penobscot.....	.30																															.38		
Eastport.....	Coast.....	.15																															.10	2.80	
Fusds.....	Kennebec.....	T.	.15	.11																													.14	.04	
Fairfield.....	do.....	*	.17																														.20		
Farmington.....	do.....	.08																															.09	.07	
Gardiner.....	do.....	.03	.01																														.14	2.19	
Greenville.....	do.....	.05	.65	T.																													.17	4.27	
Houlton.....	St. John.....	*.30																																.02	3.09
Howe Brook.....	Penobscot.....	1.00	.40																															.50	
Lewiston.....	Androscog'n.....	T.	T.																															.13	3.14
Madison.....	Kennebec.....	.16																																.14	
Millinocket.....	Penobscot.....	.12	.44																															.06	2.29
North Bridgton.....	Saco.....																																	.29	2.97
Oquossoc.....	Androscog'n.....																																	.02	
Orono.....	Penobscot.....																																	.02	
Patten.....	Penobscot.....	.40	.40																															.10	
Portland.....	Coast.....	T.																																.51	4.48
Presque Isle.....	St. John.....	.30	.30																															.28	
Rumford Falls.....	Androscog'n.....	.09	T.																															.22	2.74
The Forks.....	Kennebec.....	.40																																.21	
Winslow.....	do.....	.10																																.12	3.00
<i>New Hampshire.</i>																																			
Alstead Center.....	Connecticut.....																																	.19	2.59
Benton.....	do.....	T.																																.10	2.96
Bethlehem.....	do.....	.03	.02																														.02		
Brookline.....	Merrimack.....																																	.30	3.05
Concord.....	do.....	T.																																.22	3.14
Durham.....	do.....																																	.23	3.61
Franklin.....	do.....																																	.19	1.96
Grafton.....	do.....																																	.08	
Hanover.....	Connecticut.....																																	.15	1.92
Keene.....	do.....																																	.10	
Nashua.....	Merrimack.....																																	.42	3.26
Newton.....	do.....																																	.44	3.73
Plymouth.....	do.....	T.																																.11	2.88
<i>Vermont.</i>																																			
Bloomfield.....	Connecticut.....	.01	.03																														.02	3.18	
Cavendish.....	do.....	T.																																.23	2.60
Chelsea.....	do.....																																	.20	2.56
Manchester.....	Hudson.....	T.																																.30	
Somers.....	Connecticut.....	.05	.01																														.35	4.04	
St. Johnsbury.....	do.....	.02	T.	T.																													.07	.08	
Vernon.....	do.....																																	.47	3.41
Woodstock.....	do.....																																	.34	2.68
<i>Massachusetts.</i>																																			
Amherst.....	Connecticut.....																																	.54	4.42
Ashland.....	Merrimack.....																																	.51	3.67
Bakers Bridge.....	do.....																																	.40	3.83
Bedford.....	do.....																																	.44	3.32
Blue Hill.....	Coast.....	T.	T.																														.50	3.24	
Boston.....	do.....																																	.52	3.07
Chestnut Hill.....	Merrimack.....																																	.55	3.65
Clinton.....	do.....																																	.67	3.39
Concord.....	do.....																																	.43	3.33
Fall River.....	Coast.....																																	.42	3.71
Fitchburg.....	Merrimack.....																																		

TABLE 2.—*Daily precipitation for December, 1911. District No. 1—Continued.*

TABLE 2.—*Daily precipitation for December, 1911. District No. 1—Continued.*

TABLE 2.—*Daily precipitation for December, 1911. District No. 1—Continued.*

Stations.	River basins.	Day of month.																														Total.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
<i>New Jersey—Con.</i>																																		
Sussex.....	Hudson.....	.02	.45																															.30 3.30
Trenton.....	Delaware.....	T.	.15	.15																													.65 3.40	
Tuckerton.....	Coast.....	.15																															.15 3.58	
Vineland.....	do.....	.02																															.17 3.36	
Woodbine.....	do.....	.03																															.22 3.74	
<i>West Virginia.</i>																																		
Bayard.....	Potomac.....	.10	.08	.10																													.85 4.32	
Burlington.....	do.....	do.....																															.90 3.10	
Franklin.....	do.....																																	
Harpers Ferry |||.....	do.....																																.62 2.61	
Lost City.....	do.....																																.42 2.63	
Martinsburg.....	do.....																																.73 3.95	
Moorefield.....	do.....	T.	.05																														.45 2.51	
Romney |||.....	do.....																																.50 3.43	
Upper Tract.....	do.....																																.28 1.61	
<i>Maryland.</i>																																		
Annapolis.....	Coast.....		.12																														.90 1.76	
Baltimore.....	do.....	.07	.01																														.90 3.68	
Cambridge.....	do.....	.12																															.69 3.80	
Cheltenham.....	do.....	.04																															.76 3.78	
Chestertown.....	do.....	.20																															.88 4.34	
Chewsville.....	Potomac.....	T.	.05																														.60 3.06	
Clear Spring.....	do.....	.11																															.54 3.42	
Coleman.....	do.....	T.																															.95 4.16	
College Park.....	do.....	.60																															.83 3.92	
Cumberland.....	do.....																																.55 3.88	
Darlington.....	Coast.....	T.	.10																														.81 3.75	
Denton.....	do.....	.11																															.80 3.66	
Easton.....	do.....																																.71 3.27	
Emmitsburg.....	Potomac.....	T.																															.86 3.36	
Fallston.....	Coast.....	.14																															.92 3.95	
Frederick.....	Potomac.....	.05	.02																														.97 3.56	
Frostburg.....	do.....	T.	.20																														.35 3.78	
Great Falls.....	do.....																																.45 3.14	
Green Sp'g Furnace.....	do.....	.18	.02																														.50 3.29	
Keedysville.....	do.....	.01																															.62 3.23	
Lake Montebello.....	Coast.....	.06	T.																														T. 1.04 3.75	
La Plata.....	do.....																																	
Laurel.....	do.....																																.80 3.37	
Leonardtown.....	do.....	.04																															.59 3.27	
Monrovia.....	Potomac.....	T.	.02																														.70 3.30	
Pocomoke City.....	Coast.....	.08																															.76 3.95	
Port Bello.....	do.....																																.20 5.40	
Princess Anne.....	do.....	.10																															.T. 68 3.88	
Rockville.....	Potomac.....	T.																																
Sallsbury.....	Coast.....	.60																															.80 6.12	
Solomons.....	do.....	T.	.13																														.02 37 2.77	
State Sanatorium.....	Potomac.....	T.	.10	.03																												.82 3.41		
Sudlersville.....	Coast.....	.11																															.110 3.97	
Takoma Park.....	do.....	.08																															.70 3.85	
Taneytown.....	do.....	.07	.10																													.40 82 4.33		
Towson.....	do.....	T.	.08																													.T. 1.01 3.94		
Van Bibber.....	do.....	.16																														.127 4.23		
Westernport.....	Potomac.....	.02																														.04 .02 2.88		
Westminster.....	Coast.....	T.	.10																													.80 3.57		
Woodstock.....	do.....	T.	.05																													T. 1.00 3.94		
<i>Delaware.</i>																																		
Delaware City.....	Coast.....	T.																														.90 3.24		
Dover.....	do.....	.17																														.05 3.79		
Milford.....	do.....	.19																														.07 3.75		
Millsboro.....	do.....	.15																																

TABLE 3.—*Maximum and minimum temperatures for December, 1911. District No. 1, North Atlantic States.*

Date.	Maine.												Massachusetts.								Connecticut.							
	Eastport.		Greenville.		Orono.		Portland.		Presque Isle.		Rumford Falls.		Concord, N. H.		Amherst.		Boston.		Middleboro.		Nantucket.		Providence, R. I.		Cream Hill.		Hartford.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1	39	26	31	25	41	29	43	31	29	14	38	32	44	28	44	28	46	35	43	28	45	33	43	30	42	24	44	30
2	36	26	26	17	41	23	34	25	30	4	32	24	41	27	40	27	44	35	44	23	44	36	42	29	38	28	42	29
3	35	18	22	10	28	17	35	25	24	18	28	19	37	25	38	26	41	31	40	24	43	33	40	30	32	24	24	30
4	18	10	15	5	28	0	28	14	20	-5	24	8	28	13	31	16	34	20	35	27	40	30	30	18	29	13	32	19
5	24	9	23	-1	18	2	30	10	20	-4	26	5	33	10	31	10	34	15	32	13	37	26	34	13	33	8	32	13
6	36	24	33	13	36	8	46	26	-----	40	22	43	19	48	27	48	34	47	22	44	36	48	32	47	20	47	31	
7	43	36	43	25	44	22	47	26	-----	38	20	50	19	52	20	57	36	55	20	48	35	53	29	52	24	53	28	
8	41	35	41	32	44	27	43	31	-----	44	33	48	28	42	23	50	40	55	21	50	37	56	35	49	32	46	29	
9	44	27	36	29	46	27	43	34	36	15	40	34	40	32	38	26	50	40	49	27	50	36	48	35	46	29		
10	49	38	48	34	43	31	48	29	41	36	43	32	51	28	49	28	61	44	60	35	57	43	58	42	57	36	55	37
11	57	43	46	34	58	29	56	34	40	35	40	32	64	30	61	34	68	46	64	30	59	44	66	38	58	42	62	42
12	55	47	59	43	58	47	65	49	55	38	52	38	65	52	62	48	68	54	66	42	60	49	67	48	62	44	64	51
13	51	35	47	32	58	32	56	37	45	32	45	37	47	34	52	32	61	37	58	47	58	39	60	36	60	49	57	36
14	38	31	32	25	51	30	43	31	35	24	38	31	42	29	42	25	44	34	47	23	42	36	44	32	49	24	43	31
15	33	29	25	20	32	23	37	31	26	20	30	29	33	30	34	32	41	33	45	40	41	33	35	30	39	33	33	
16	34	29	28	24	32	22	42	31	26	20	32	30	37	31	40	33	44	35	44	36	47	42	45	35	36	32	40	35
17	31	28	28	23	32	25	34	29	26	20	31	28	36	30	40	34	44	37	44	38	48	39	44	33	40	30	42	34
18	30	21	27	22	33	23	32	28	24	10	32	26	34	25	37	33	39	30	40	28	40	31	37	29	34	24	37	
19	23	12	23	11	30	0	31	22	25	-10	27	18	30	21	36	22	36	25	36	24	36	29	36	23	28	20	36	25
20	29	14	26	11	29	-4	34	17	28	-2	30	10	34	14	38	22	38	14	40	22	36	17	44	24	36	19	34	19
Mns..	36.2	24.9	30.2	18.8	37.9	18.1	39.5	26.6	23.8	12.5	33.7	23.4	40.3	25.9	40.8	26.3	45.7	33.0	45.4	26.5	45.4	34.7	45.3	30.2	39.8	26.0	42.9	29.9

Date.	New York.												Pennsylvania.												Atlantic City, N. J.			
	New Haven, Conn.		Addison.		Albany.		Binghamton.		Indian Lake.		Little Falls.		New York.		Everett.		Harrisburg.		Philadelphia.		Scranton.		State College.		Wellsboro.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1	44	29	42	25	42	31	40	30	30	24	33	28	41	30	48	26	45	31	45	33	42	29	39	25	46	33		
2	43	30	41	28	38	31	37	28	32	21	34	24	44	33	49	31	42	34	46	36	31	39	28	46	36	46	35	
3	41	31	32	26	34	23	31	24	30	6	31	20	44	33	37	18	39	33	45	37	39	30	33	29	34	26	45	35
4	31	18	27	9	24	13	24	11	24	5	24	5	36	19	28	18	35	23	39	25	31	14	30	13	42	22	42	
5	34	17	43	20	28	13	38	19	33	7	27	10	39	18	40	24	38	31	44	25	39	22	37	16	42	21	42	
6	47	31	54	26	44	26	47	27	41	25	38	27	48	31	50	20	50	28	55	33	50	30	49	25	52	24	55	33
7	51	28	60	16	47	24	55	20	48	10	54	25	56	37	59	19	59	39	58	37	57	27	55	15	57	38		
8	53	32	60	25	42	25	53	26	45	24	47	30	58	42	60	22	56	32	61	43	55	31	55	23	59	39		
9	45	32	53	33	46	30	52	35	40	27	41	35	51	41	50	36	50	38	53	41	52	35	47	35	55	39		
10	56	41	64	41	51	39	63	44	42	33	47	37	58	45	65	31	62	40	62	45	63	43	60	34	56	42		
11	57	38	64	49	47	61	49	55	34	51	43	58	43	60	38	62	42	63	63	51	60	34	62	43	60	48		
12	57	44	60	50	54	47	50	39	58	47	60	51	61	40	61	51	62	50	65	56	58	53	61	60	48			
13	44	37	54	35	56	35	47	31	44	29	47	34	57	36	58	25	54	38	59	34	55	40	54	34	62	38		
14	46	33	39	21	41	29	38	23	35	23	31	37	45	34	34	23	38	33	43	36	42	28	50	27	37	34		
15	40	35	45	33	37	32	39	33	32	25	37	23	44	38	42	32	42	35	44	40	44	36	35	27	38	32		
16	46	37	45	35	42	35	46	36	34	28	35	31	49	40	43	33	44	40	50	40	47	39	43	35	42	35	53	42
17	44	34	44	36	41	35	45	33	35	27	47	33	45	35	48	31	45	40	48	40	45	37	43	32	44	33	50	33
18	39	30	37	30	37	30	33	27	30	19	35	28	38	31	35	30	40	35	44	35	37	30	36	31	41	32		
19	35	26	32	24	33	23	27	20	26	18	37	25	35	28	39	30	40	28	35	30	20	36	25	39	28			
20	38	21	44	16	32	18	35	18	30	-5	30	13	37	22	38	14	37	27	43	33	47	35	37	32	40	27		
21	87	27	37	20	35	21	36	21	31	5	30	17	40	30	34	26	36	30	42	32	41	26	32	26	35	21		
22	44	34	39																									

TABLE 3.—*Maximum and minimum temperatures for December, 1911. District No. 1—Continued.*

Date.	New Jersey.								Maryland.								Washington, D. C.				Virginia.								
	Bridgeton.		Hights-town.		Phillipsburg.		Sussex.		Martinsburg, W. Va. §§		Baltimore.		Darling-ton.		Frederick.		Western-port.		Mills-boro, Del.		Wash-ing-ton, D. C.		Fredericksburg.		Staun-ton. §§		Wood-stock.		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			
1....	50	30	44	27	43	27	43	28	49	25	50	32	46	26	47	33	49	30	50	25	49	30	53	22	50	29	44	27	
2....	50	30	43	27	40	27	41	27	44	31	47	33	45	32	45	31	42	21	52	32	48	34	54	32	47	33	49	31	
3....	49	31	45	30	42	31	38	29	39	35	44	36	43	33	43	35	37	31	50	26	45	35	48	28	44	28	40	29	
4....	42	26	41	22	31	20	33	21	33	27	37	28	40	24	37	28	34	21	42	26	37	29	45	32	43	26	36	26	
5....	44	21	42	14	38	19	38	14	42	25	43	23	40	23	41	26	42	23	43	21	44	27	48	21	49	20	49	21	
6....	57	27	52	27	51	28	52	22	58	23	59	30	54	23	53	27	60	28	59	28	60	26	59	26	62	32	64	23	
7....	62	25	60	25	57	24	56	19	51	23	55	35	57	27	56	25	62	22	64	25	60	29	65	26	65	27	65	24	
8....	60	27	61	27	55	26	54	25	55	25	58	37	59	30	57	26	63	35	65	26	63	31	63	29	61	29	66	27	
9....	54	30	50	30	47	31	44	26	52	26	53	40	55	35	52	36	65	59	59	58	36	64	31	64	31	51	30		
10....	65	34	65	27	60	33	63	36	63	35	58	35	60	33	67	31	66	29	63	34	69	31	64	36	67	30	67	30	
11....	69	38	64	38	63	36	63	35	66	35	60	41	62	38	64	36	62	37	76	36	67	41	70	38	64	42	65	39	
12....	65	43	63	43	65	48	62	45	67	39	61	48	45	59	44	63	47	64	48	69	45	63	49	67	43	65	48	63	46
13....	60	41	55	44	54	55	55	40	60	48	59	40	55	38	57	42	61	41	65	43	58	40	60	42	67	47	59	38	
14....	45	32	44	28	41	28	40	26	42	32	41	36	45	32	45	31	48	30	48	36	42	36	50	37	38	34	48	35	
15....	45	40	42	38	41	35	38	33	49	37	45	40	43	38	43	36	45	26	49	43	44	39	44	39	44	35	44	33	
16....	50	40	49	39	43	38	41	37	42	40	47	42	44	39	45	41	45	40	57	42	46	42	51	37	48	40	42	37	
17....	50	40	49	41	44	35	44	37	39	37	48	38	46	38	46	40	50	37	55	35	47	35	48	41	47	38	48	37	
18....	45	30	43	28	38	32	38	29	40	30	41	37	41	29	41	35	38	33	44	28	40	33	44	27	46	27	41	33	
19....	42	25	39	28	36	22	34	28	38	19	43	32	39	29	40	30	40	30	42	25	41	28	42	27	40	22	44	29	
20....	41	20	40	17	37	18	33	14	36	20	37	27	37	19	35	21	38	18	42	17	38	22	38	24	36	20	44	17	
21....	44	27	42	22	37	23	33	21	34	29	40	33	38	27	34	28	39	29	42	18	37	32	37	31	36	29	35	25	
22....	54	32	45	33	40	32	34	30	49	31	46	36	41	33	37	32	38	33	48	36	43	34	38	33	51	31	35	31	
23....	56	42	49	44	50	38	49	34	53	34	53	43	49	40	51	36	53	34	58	47	52	40	53	38	51	35	54	34	
24....	46	32	45	33	38	34	43	34	40	39	45	34	47	33	45	34	43	35	47	36	45	36	50	39	42	39	47	35	
25....	47	29	47	26	39	28	40	29	41	29	47	33	44	25	40	30	52	32	47	33	43	30	45	37	50	28	45	32	
26....	42	34	40	31	41	30	41	29	43	31	43	34	40	33	40	30	43	33	42	35	44	33	43	40	55	28	39	30	
27....	57	40	65	39	48	31	49	37	52	34	58	33	53	39	52	36	53	30	68	37	58	32	64	42	55	40	50	32	
28....	41	26	46	25	31	22	41	24	30	24	33	26	40	24	38	26	32	21	37	25	33	28	45	28	34	23	35	23	
29....	39	23	37	22	36	22	33	21	37	23	40	26	36	18	35	24	38	20	40	21	39	27	43	18	40	19	37	21	
30....	40	24	36	19	34	20	35	20	37	24	38	33	36	24	37	29	38	32	48	27	42	34	43	31	47	30	39	26	
31....	45	35	35	32	32	27	32	23	45	32	50	36	39	25	37	32	38	30	59	38	50	35	56	37	55	43	41	30	
Mns.	50.2	31.4	47.7	29.9	43.6	29.2	43.4	28.2	46.0	30.4	47.7	35.3	46.2	30.9	45.7	32.1	47.7	30.4	52.7	31.3	48.4	33.5	51.6	32.9	50.3	31.8	48.2	30.1	

^a, ^b, ^c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

§ Data are from standard instruments not supplied by the U. S. Weather Bureau.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.